Author Index of Volume 184

Andrews, M. C., 197

Baddi, R., L21 Beddoes, J., L11 Bell, T., 73

Bhadeshia, H. K. D. H., L17

Bloyce, A., 73 Bouvard, D., 65

Chang, L. C., L17 Chang, W. S., L5 Chen, S., L5 Clarisse, L., L21 Crampon, J., L21

Delie, F., 65 Duclos, R., L21

Fan, Z., 57 Froes, F. H., 119

Ghosh, A. K., 17, 27 Gidikova, N., L1 Gnanamoorthy, R., 37 Hanada, S., 45 Hull, D., 173

Hutchings, I. M., 185 Hutchings, R., 87

Jonas, J. J., 155

Kim, S. S., 45

Lee, C. S., 97

Makhlouf, K., 17 Masahashi, N., 37

Mazille, J. E., 65 Mizuhara, Y., 37

Morton, P. H., 73 Mutoh, Y., 37

Nabarro, F. R. N., 167

Petkova, D., L1 Procter, R. P. M., 135 Ray, R., 17 Remy, L., 1

Shechtman, D., 113

Shen, P., L5

Simeonova, Ju., L1 Smallman, R. E., 97

Syu, D. G. C., 27

Tsakiropoulos, P., 57

Vasseur, E., 1

Wallace, W., L11

Young, R. J., 197

Zhao, L., L11



Subject Index of Volume 184

Aerospace

advanced metals for aerospace and automotive use, 119

Alloys

fracture properties of γ -base TiAl alloys with lamellar microstructure at room temperature, 37

high temperature low cycle fatigue and thermal-mechanical fatigue behaviour of an oxide-dispersion-strengthened nickel-base superalloy, 1

on the mean internal stresses in two-ductile-phase alloys, 57 triggering mechanism of secondary recrystallization in mechanically alloyed MA6000 and MA754, 45

Aluminium

confined ZrO₂ particles in NiO·nAl₂O₃ spinel, L5

deformation behavior of γ -TiAl composites in the solid and mushy states, 17

effect of stress on the phase redistribution during superplastic deformation of an alumina-zirconia composite, L21

fracture properties of γ -base TiAl alloys with lamellar microstructure at room temperature, 37

high temperature compression behaviour of near γ -titanium aluminides containing additions of chromium or tungsten, L11

the effect of temperature on the fracture mechanism in 2014Al/15vol.%Al₂O₃ composite, 27

Austenite

carbon content of austenite in isothermally transformed 300M steel, L17

Automobiles

advanced metals for aerospace and automotive use, 119

Carbon

carbon content of austenite in isothermally transformed 300M steel, L17

Chromium

high temperature compression behaviour of near γ -titanium aluminides containing additions of chromium or tungsten, L11

Coatings

antifriction coatings produced by high temperature diffusion treatment, L1

Composites

deformation behavior of γ -TiAl composites in the solid and mushy states, 17

deformation micromechanics in high-performance polymer fibres and composites, 197

effect of stress on the phase redistribution during superplastic deformation of an alumin-zirconia composite, L21

investigation of the consolidation of powder composite by image analysis, 65

matrix-dominated properties of polymer matrix composite materials, 173

the effect of temperature on the fracture mechanism in 2014Al/15vol.%Al₂O₃ composite, 27

Compression

high temperature compression behaviour of near γ -titanium alumindes containing additions of chromium or tungsten, L11

Corrosion

corrosion science and engineering; some recent developments, 135 Crystals

triggering mechanism of secondary recrystallization in mechanically alloyed MA6000 and MA754, 45

Deformation

advances in the theory of deformation and recrystallization texture formation, 97

deformation behavior of γ -TiAl composites in the solid and mushy states, 17

deformation micromechanics in high-performance polymer fibres and composites, 197

effect of stress on the phase redistribution during superplastic deformation of an alumina-zirconia composite, L21

Diamond films

twin-determined growth of diamond films, 113

Diffusion

antifriction coatings produced by high temperature diffusion treatment, L1

Dispersion

high temperature low cycle fatigue and thermal-mechanical fatigue behaviour of an oxide-dispersion-strengthened nickel-base superalloy, 1

Dynamic loading

towards the design of dynamically loaded titanium engineering components, 73

Fatigue

high temperature low cycle fatigue and thermal-mechanical fatigue behaviour of an oxide-dispersion-strengthened nickel-base superalloy, 1

Fibres

deformation micromechanics in high-performance polymer fibres and composites, 197

Fracture

fracture properties of γ -base TiAl alloys with lamellar microstructure at room temperature, 37

the effect of temperature on the fracture mechanism in 2014Al/15vol.%Al₂O₃ composite, 27

Friction

antifriction coatings produced by high temperature diffusion treatment, L1

Image analysis

investigation of the consolidation of powder composite by image analysis, 65

Ion implantation

a review of recent developments in ion implantation for metallurgical application, 87

Metallurgical application

a review of recent developments in ion implantation for metallurgical application, 87

Metal

advanced metals for aerospace and automotive use, 119

Micromechanics

deformation micromechanics in high-performance polymer fibres and composites, 197

Nickel

confined ZrO₂ particles in NiO·nAl₂O₃ spinel, L5

high temperature low cycle fatigue and thermal-mechanical fatigue behaviour of an oxide-dispersion-strengthened nickel-base superalloy, 1

Oxygen

confined ZrO2 particles in NiO·nAl2O3 spinel, L5

the effect of temperature on the fracture mechanism in 2014Al/15vol.%Al₂O₃ composite, 27

Plasticity

effect of stress on the phase redistribution during superplastic deformation of an alumina-zirconia composite, L21

Polymers

deformation micromechanics in high-performance polymer fibres and composites, 197

matrix-dominated properties of polymer matrix composite materials, 173

Powders

investigation of the consolidation of powder composite by image analysis, 65

Recrystallization

advances in the theory of deformation and recrystallization texture formation, 97

dynamic recrystallization—scientific curiosity or industrial tool?, 155

Steel

carbon content of austenite in isothermally transformed 300M steel, L17

Stress

effect of stress on the phase redistribution during superplastic deformation of an alumina-zirconia composite, L21 on the mean internal stresses in two-ductile-phase alloys, 57

Superalloys

the superiority of superalloys, 167

Texture

advances in the theory of deformation and recrystallization texture formation, 97

Titanium

deformation behavior of γ -TiAl composites in the solid and mushy states, 17

fracture properties of γ -base TiAl alloys with lamellar microstructure at room temperature, 37

high temperature compression behaviour of near γ -titanium aluminides containing additions of chromium or tungsten, L11

towards the design of dynamically loaded titanium engineering components, 73

Tungsten

high temperature compression behaviour of near γ -titanium alumindes containing additions of chromium or tungsten, L11

Wear

wear-resistant materials: into the next century, 185

Zirconium

confined ZrO₂ particles in NiO·nAl₂O₃ spinel, L5

effect of stress on the phase redistribution during superplastic deformation of an alumina-zirconia composite, L21

